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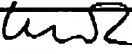
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| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10760,222 | |
| | Filing Date | 21 January 2004 | |
| | First Named Inventor | Kia Silverbrook | |
| | Art Unit | 2853 | |
| | Examiner Name | Laura E Martin | |
| Total Number of Pages in This Submission | 3 | Attorney Docket Number | RRA14US |

| ENCLOSURES (Check all that apply) | | |
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| Remarks Email: kia.silverbrook@silverbrookresearch.com Telephone: 61-2-9818 6633 Facsimile : 61-2-9555 7762 | | |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | |
| Firm Name | | |
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In the United States Patent and Trademark Office

Serial Number: 10/760,222
Application. Filed: January 21, 2004
Applicant: Kia Silverbrook
Application. Title: Inkjet Printer Cartridge with Two Printhead Integrated Circuits
Examiner/GAU: Laura E. Martin 2853
Dated: December 1, 2006
At: Balmain, NSW
Docket No. RRA14US

REPLY

Commissioner for Patents
Washington, District of Columbia 20231

Dear Sir:

Applicant thanks Examiner for the detailed Office Action dated September 8, 2006. In response to the issues raised, the Applicant offers the following submissions.

35 U.S.C. §103 - Claims 2 to 5

Claims 2 to 5 stand rejected for lack as obvious in light of US 6,722,759 to Torgerson et al in view of US 5,530,463 to Nystrom et al (not Sakai as indicated in the Office Action). The Applicant disagrees.

Torgerson does not teach a printer cartridge with two print chips. Skilled addressees understand that 'print chips' are printhead integrated circuits that have the individual ink ejection nozzles fabricated on a monolithic substrate. The Examiner has equated the ground bus lines 181 with the two separate chips of the present invention. The bus traces 181 shown in Fig 2 of Torgerson are both embedded in the same inkjet printhead chip 100. The printhead chip 100 is formed on a single monolithic substrate 11 (see Figure 3). Furthermore the ink passages 71 are merely conduits. They do not store enough ink to be considered printing fluid storage. Their function is clearly to provide fluid communication between the ink reservoirs (not shown) and the ink chambers 19.

In contrast, the present invention is a cartridge with two print chips for use in a printer. The entire cartridge, including the print chips and ink storage, is removable and replaceable. Using two print chips in the cartridge allows a pagewidth design that has a simple and reliable electrical interface with the printer controller. Two print chips allow the interface for each chip to be at either end of the printhead. The number of electrical contacts is divided between the interfaces at each end and the compressive force aligned down the longitudinal axis of the printhead maintains the connection between the contacts and secures the cartridge into position.